

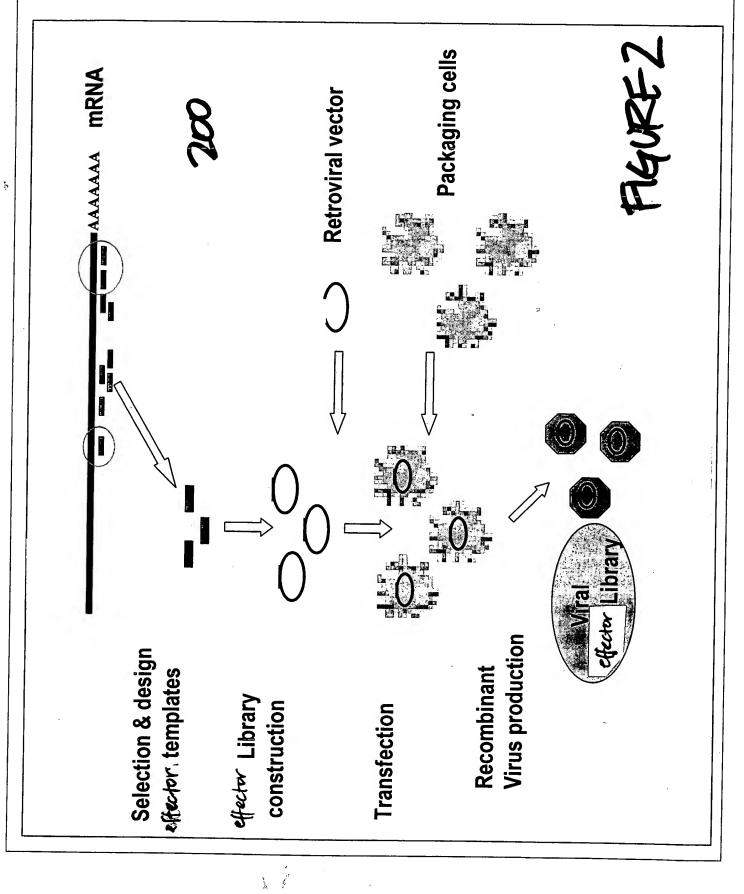
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FIGURE

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.S. Serial No.: Unknown Conf. No.: Unknown lied: September 8, 2003
title: METHODS FOR GENE FUNCTION ANALYSIS Ventor: Alex Chenchik

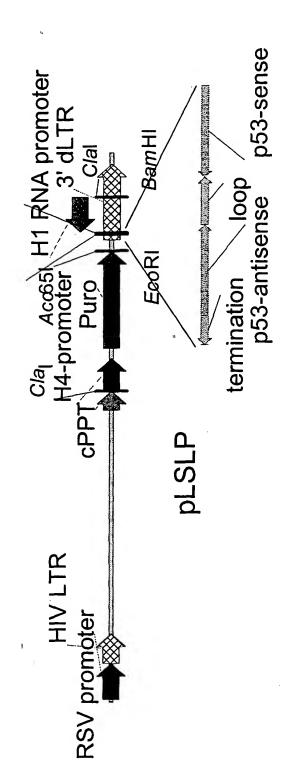
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rial No.: Unknown Conf. No.: Unknown September 8, 2003
METHODS FOR GENE FUNCTION ANALYSIS
r: Alex Chenchik
s Mall No.: EL 980273169 US Page 4 of 12 Restriction Digestion Template \simeq ~ Cloning & Growth PCR Amplification Whole Insert Detachment Oligo with Microanay Hybridization Oligo Synthesis Sequences File with effector

FIGURE4

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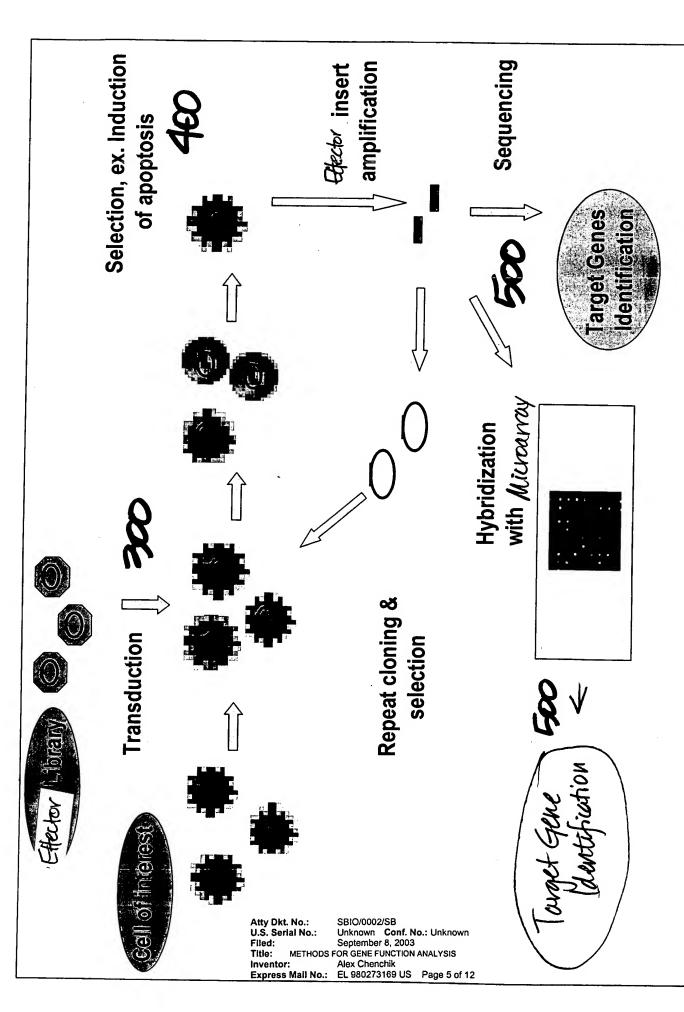
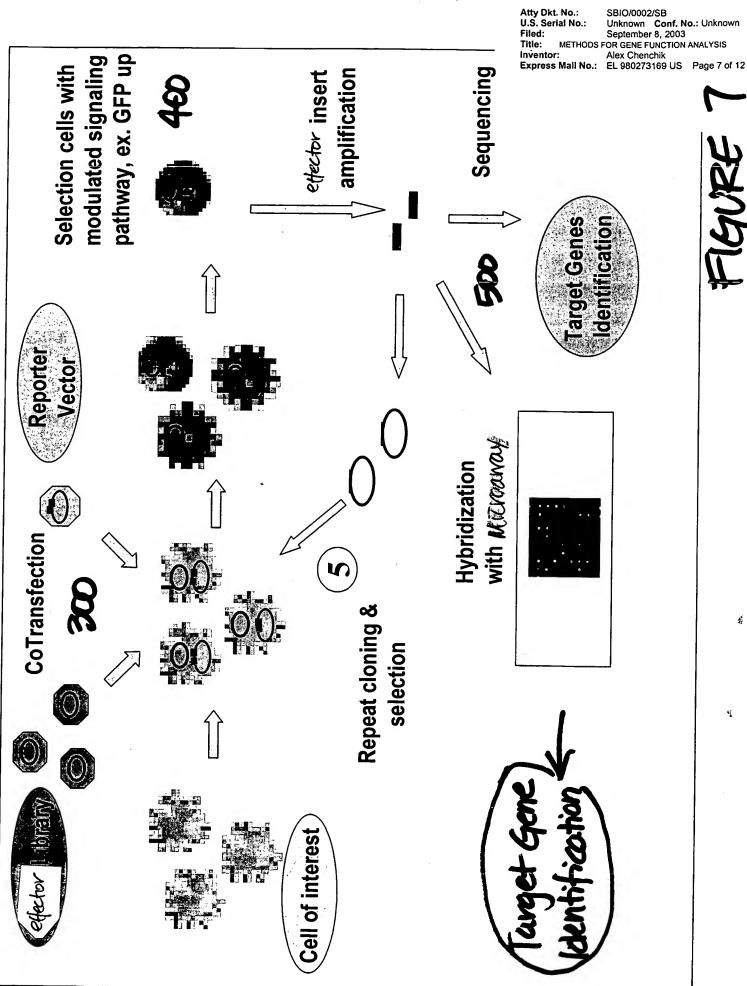
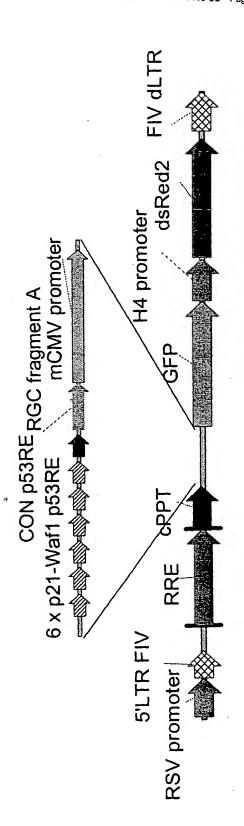


FIGURE 10



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Flgure 8

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plslp-H1sirna .. AATTCATCTATGT-.... GTAGATACA-EcoRI --ccrgcrccrAG.. --GGACGAG.... U6 promoter

BamHI

-5, gcCTACTAGACCTAGGTGGTTaagttcttAACCACCTAGGTCTAGTAGaaaacttaa 5'-gatccgGATGATCTGGATCCACCAAttcaagagaTTGGTGGATCCAGATCATCttttg -3' antisense loop sense

p53-siRNAtemplate-19bp

p53-siRNAtemplate-27bp antisense loop sense geceracacatagacatacatacagacadagagacacatatagaacadacagaacatagaacagaaaaacataaa-5

5'-gatccgGUTGATCTGGATCTACCAAGCCTTGTTttcaagagaAACAAGTCTTGGTGGATCCAGATCATCtttttg -3' 3'- qcCCACTAGACCTAGATGGTTCCGAACAAaaqttctctTTGTTCAGAACCACCTAGGTCTAGTAGaaaaacttaa

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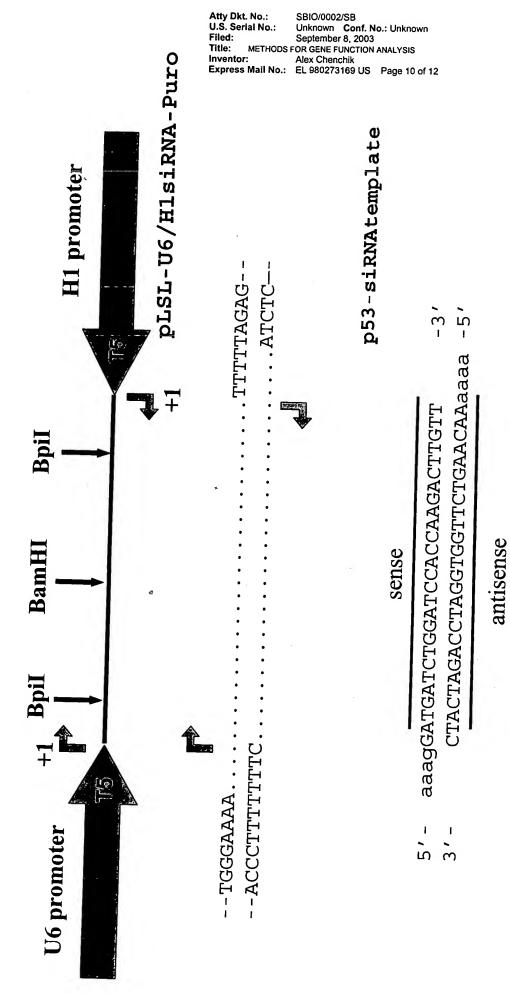


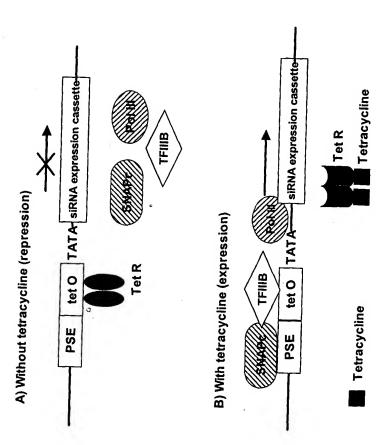
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Oligonucleotide Synthesis on the Surface of Glass Microarray

Detachment of oligos

Sense BpiI

AGCAGAAGACTaaaaaGNNNNNNNNNNNNNNNNNNNNNNNLtttATGTCTTCTACGA

3,

Add Flanking primers

ACGCAGGTGTAGCAGAAGA

AGCAGAAGACTaaaaGNNNNNNNNNNNNNNNNNNNNNN tttaggctaga

CAGAAGATGCTCACGACGCT

Atty Dkt. No.: U.S. Serial No.:

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ACGCAGGTGTAGCAGAAGACTaaaaGNNNNNNNNNNNNNNNNNNNNNNNNNLLttATGTCTTCTACGAGTGCTGCGA TGCGTCCACATCGTCTTCTGALLLCONNNNNNNNNNNNNNNNNNNNNNNNNAaaaTACAGAAGATGCTCACGACGCT

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Bpil Restriction digestion

NNNNNNNNNNNNNNNNNNNNNNNNNN aaaGNNNNNNNNNNNNNNNNNNNNNNNNNNN

Insert into pFIV-U6/H1siRNA-Puro precut vector

Vector

--IGGGAAAAGUNNNNNNNNNNNNNNNNNNNNNNNNNNNNNTTTTAGAG-

Vector HI にる。下の

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